

RECORDS OF THREE OPISTHOBRANCHS FROM SOUTH AUSTRALIA

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Family ELYSIIDAE

Elysia australis (Quoy and Gaimard, 1833: 317). Two specimens, each 3 mm long preserved, collected near the monument at Talia Caves, far West Coast, by W. Zeidler, 25 February 1975 (S.A. Museum TD 107), are a new record for South Australia. Both animals have black rhinophores, black stripe on centre of head, black edging to parapodia with white patches below, and black tail tip. The outer sides of the parapodia are heavily pigmented brown. This colour patterning, and especially the black stripe on the head, agrees with recent descriptions of specimens from southern Queensland (Burn, 1966b: 104) and central New South Wales (Thompson, 1973: 245, fig. 2b). The record of this species from Victoria (Burn 1966c: 269), based upon an animal without a black stripe on the head, should be treated as doubtful.

Family DORIDIDAE

Hypselodoris infucata (Rüppell and Leuckart, 1828: 34). This species was first recorded from South Australia under the name *H. saintvencentius* Burn (1962: 151; 1966: 332). *H. infucata* is a widely distributed Indo-Pacific tropical to warm temperate species (Edmunds, 1971: 375, pl. 1B; Thompson, 1972: 395 (in part); Rudman, 1973: 190). It is a very common species in South Australia, from St Vincent Gulf to the West Coast. The following is a list of localities from which specimens have been identified (the initials SAM — South Australian Museum, and NMV — National Museum of Victoria, indicate where the specimens are deposited).

Aldinga Beach, 1 km N of boat ramp, 1 November 1969, 1 spec., R. Burn & B. J. Smith (NMV).
 Port Noarlunga, 5-6 m on weed, 22 November 1970, 1 spec., N. Coleman (NMV).
 Christies Beach, 2 May 1963, 1 spec., H. Laws (SAM; Burn, 1966d: 332).
 Coolbowe, December 1957, 3 spec., T. Hartley & R. Hall (NMV, Burn, 1962: 152).
 Gleason's landing, S of Corny Point, 1969, 2 spec., T. Castle (SAM).
 Billy Light's Point, Port Lincoln, 6 November 1969, 7 spec., R. Burn, B. J. Smith & J. Veitch (NMV).
 Off Port Lincoln, 10-20 m, numerous spec., 1967-1969, J. Veitch (NMV).
 Smoky Bay, 5 m, 24 May 1973, 5 spec., D. Barnfather (NMV).
 Murat Bay, Ceduna, 8 November 1969, 3 spec., R. Burn & B. J. Smith (NMV).
 Whittlebee Point, near Ceduna, 9 August 1974 and 28 February 1975, 5 spec., W. Zeidler (SAM).

Family FACELINIDAE

Austraeolis ornata (Angas, 1864: 67). A single preserved specimen, 12 mm long as preserved, collected at Whittlebee Point, near Ceduna, by W. Zeidler, 9 August 1974 (S.A. Museum TD 115) is a new record for South Australia. It has the asymmetrical liver arches, perfoliate rhinophores and patches of cream pigment on the dorsum that are diagnostic of the species (Burn, 1966a: 31).

REFERENCES

- ANGAS, G. F., 1864. Description d'espèces nouvelles . . . Mollusques Nudibranches . . . de Port Jackson, etc. *J. Conch., Paris*, 12: 43-69, pl. 4-6.
 BURN, R., 1962. Notes on a collection of Nudibranchia . . . from South Australia etc. *Mem. Natn. Mus. Vict.*, 25: 149-171.
 ———, 1966a. Descriptions of Australian Eolidacea. 3. The genera *Tularia*, *Embletonia* and *Austraeolis* etc. *J. Malac. Soc. Aust.*, 1(9): 25-35.
 ———, 1966b. Some opisthobranchs from southern Queensland. *J. Malac. Soc. Aust.*, 1(9): 97-109.
 ———, 1966c. Port Phillip Survey 1957-1963. Opisthobranchia. *Mem. Natn. Mus. Vict.*, 27: 265-288.
 ———, 1966d. Notes on some opisthobranchs mainly from South Australia. *Rec. S. Aust. Mus.*, 15(2): 329-352.
 EDMUNDS, M., 1971. Opisthobranchiate Mollusca from Tanzania (Doridacea). *Zool. J. Linn. Soc.*, 50(4): 339-396, 1 pl.
 QUOY, J. R. C., & J. P. GAIMARD, 1833. *Voyage de découvertes de l'Astrolabe . . . 1826-1829*. Zoologie, Mollusca, 2(1): 1-320, and Atlas.
 RUDMAN, W. B., 1973. Chromodorid opisthobranch Mollusca from the Indo-West Pacific. *Zool. J. Linn. Soc.*, 52(3): 175-199, pl. 1-2.
 RÜPPELL, E., & F. S. LEUCKART, 1828. *Neue wirbellose Thiere des Rothen Meeres*. In E. Rüppell, ed., *Atlas zu der Reise im Nördlichen Afrika*: 15-47, pl. 1-12.
 THOMPSON, T. E., 1982. Chromodorid nudibranchs from eastern Australia. *J. Zool., Lond.*, 166(3): 391-409, pl. 1-4.
 ———, 1973. Sacoglossan gastropod molluscs from eastern Australia. *Proc. Malac. Soc. Lond.*, 40: 239-251.